



PATENT  
ATTORNEY DOCKET NO.: 87026-0003



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Applications  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL FOR A NEW PATENT APPLICATION**  
**UNDER 37 C.F.R. §1.53(b)**

This is a request for filing a patent application under 37 C.F.R. §1.53(b) of:

Inventors: **S. Douglas GALBRAITH**

For: **MESO-FREQUENCY TRAVELING WAVE ELECTRO-KINETIC CONTINUOUS  
ADSORPTION SYSTEM**

1. This is a new ☒ **Utility** ☐ **Design** ☐ **Plant** patent application.
  
2. The papers enclosed to obtain a filing date are as follows:
  - 43 Pages of Application including
    - 1 Title Page
    - 21 Pages of Disclosure
    - 13 Pages of Claims
    - 1 Page of Abstract; and
    - 7 Sheets of drawings containing 1A-5 Figures
  - ☐ The enclosed drawing(s) are photograph(s), and there is also attached a PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S).
  
3. Declaration and Power of Attorney
  - ☐ Enclosed and is newly executed by all inventors.
  - ☐ Enclosed in this continuation/divisional application and is a copy from a prior application (37 CFR § 1.63(d).
  - ☒ Not Enclosed.

This application is being filed under the provisions of 37 C.F.R. §1.53(f).  
Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.

4. Language

- ☒ English  
☐ Non-English

This application is being filed in accordance with 37 C.F.R. §1.52(d) and §608.01 of the MPEP. Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the verified English translation and the processing fee.

5. Assignment

- ☐ An assignment of the invention to \_\_\_\_\_, and a PTO Form-1595, Recordation Form Cover Sheet, are enclosed.
- ☒ An assignment will be filed at a later date.

6. Priority - foreign applications under 35 U.S.C. §119(a)-(d) or §365(b) or PCT international applications under 35 U.S.C. §365(a) designating at least one country other than the U.S.

☐ Priority of the following foreign application(s) is claimed:

Country	Application No.	Filed

Certified copy: ☐ is attached. ☐ will follow.

7. Priority based on provisional application(s) - 35 U.S.C. §119(e)

☐ Benefit of the following U.S. provisional application(s) is claimed:

Provisional Application No.	Filed

8. Preliminary Amendment

- ☐ Amend the specification by inserting before the first line the sentence:  
 "This application is a ☐ continuation, ☐ division of co-pending application  
 number \_\_\_\_\_, filed \_\_\_\_\_, which is hereby incorporated by reference"

9. Small entity status

- ☒ Small entity status under 37 C.F.R. §1.27 is claimed for this application.

10. Fee Calculation (37 C.F.R. § 1.16)

CLAIMS FOR FEE CALCULATION				
	Number Filed	Number Extra	at Rate of	Basic Fee Utility \$770.00 Design \$340.00
Total Claims (37 C.F.R. §1.16(c))	64 - 20 =	44	\$ 18.00 each=	+\$ 792.00
Independent Claims (37 C.F.R. §1.16(b))	4 - 3 =	1	\$ 86.00 each=	+ \$ 86.00
Multiple dependent claim(s), if any (37 C.F.R. §1.16(d))			\$ 290.00	+
SUB-TOTAL =				+\$ 1,648.00
Reduction by 1/2 for filing by a small entity				-\$ 824.00
TOTAL FILING FEE =				\$ 824.00

## 11. Fee Payment



Not Enclosed. **NO FEE IS BEING PAID BY CHECK OR DEPOSIT ACCOUNT AT THIS TIME.**

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Enclosed.

A check in the amount of \$\_\_\_\_\_ for the filing fees and a check for the Assignment fee of \$\_\_\_\_\_ are enclosed.

## 12.



**Except** for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-1349. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

## 13. Additional papers enclosed:



Nonpublication Request pursuant to 37 CFR § 1.213



Combined Power of Attorney by Assignee and Certificate under 37 CFR § 3.73(b)



Change of Correspondence Address



Preliminary Amendment



Information Disclosure Statement



Form PTO- 1449, documents as listed



Declaration of Biological Deposit

- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

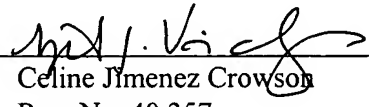
**Please accord this application an application number and filing date.**

Respectfully submitted,

**HOGAN & HARTSON LLP**

Dated: December 9, 2003

**HOGAN & HARTSON LLP**  
555 13<sup>th</sup> Street, N.W.  
Washington, D.C. 20004  
(202) 637-5600

By:   
Celine Jimenez Crowson  
Reg. No. 40,357

Ajit J. Vaidya  
Reg. No. 43,214

**Customer No. 24633**